

FIG. 1B

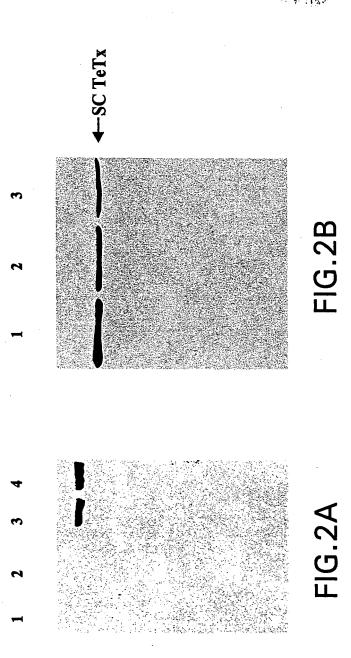
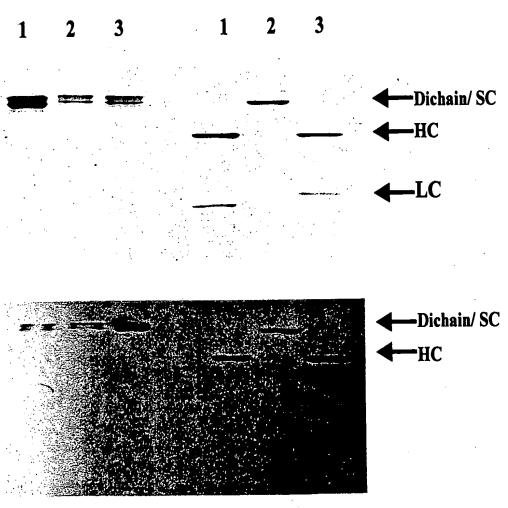


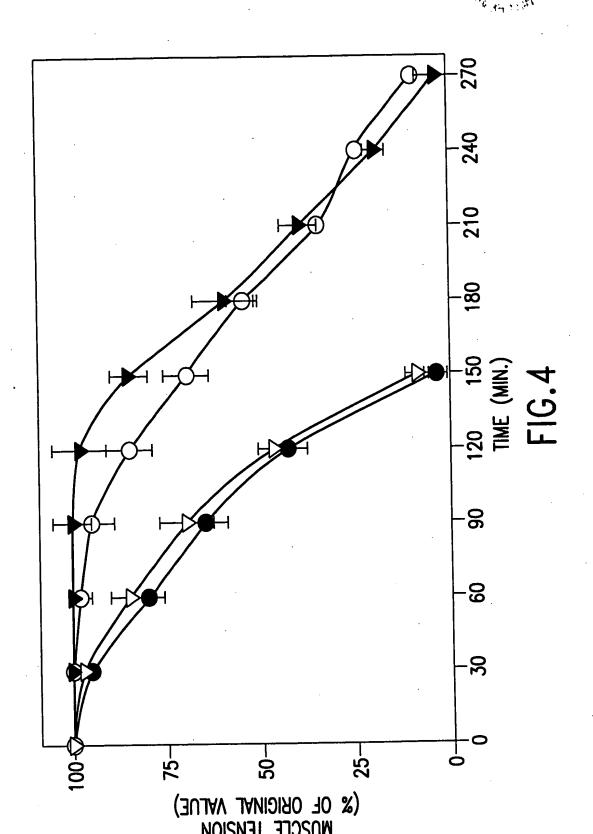
FIG.3A

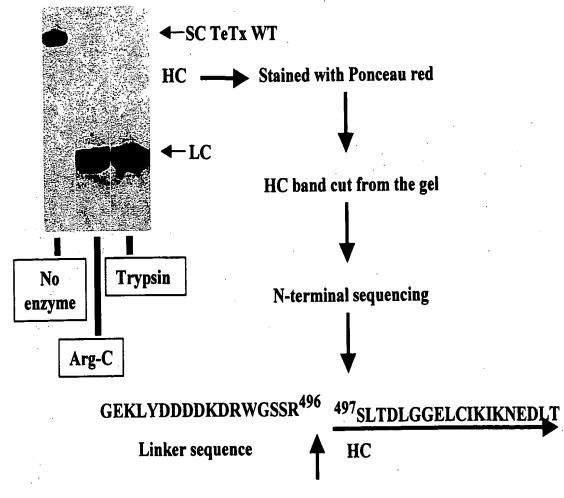


Before reduction

After reduction

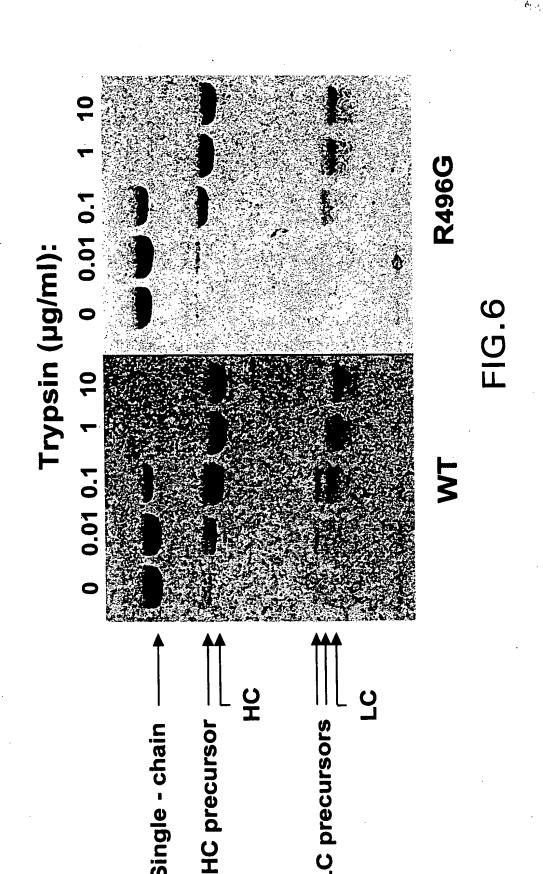
EIG 3R

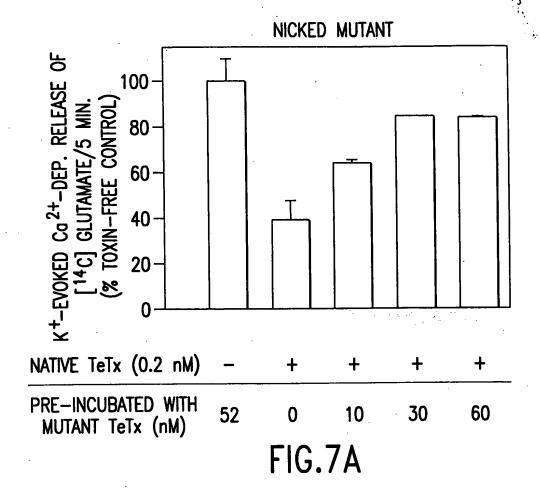


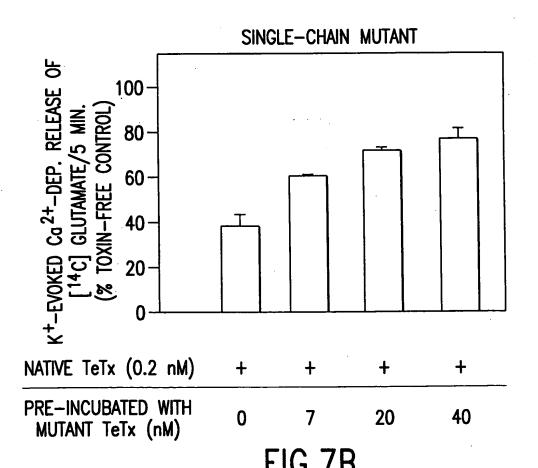


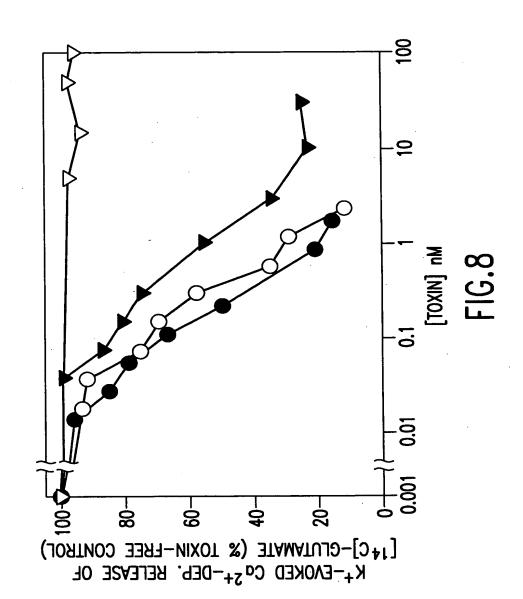
Arg-C and trypsin cleavage site

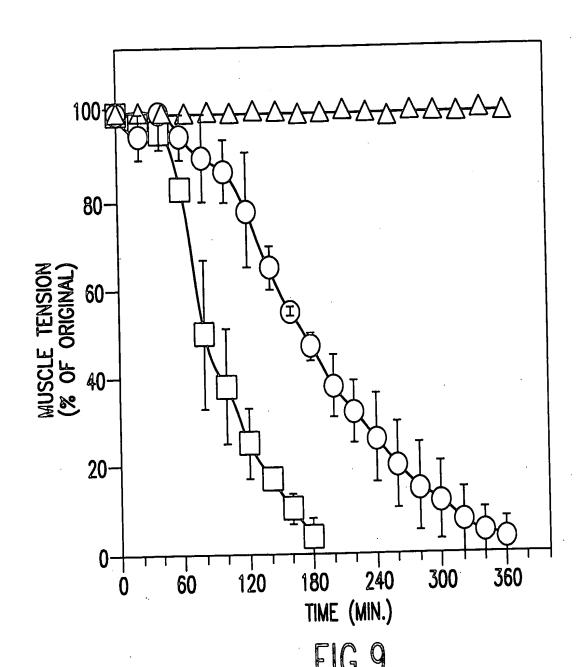
EIG K











CLOSTRIDIUM BOTULINUM TYPE E (STRAIN BELUGA) CHROMOSOMAL DNA

E212Q SINGLE-CHAIN MUTANT -- FIG. 11

CULTURE OF E.COLI M15[pQEESCwt]

OVERNIGHT INDUCTION WITH IPTG

HARVEST, EXTRACTION AND CENTRIFUGATION

METAL CHELATE AFFINITY CHROMATOGRAPHY

SDS-PAGE (REDUCING COND.)

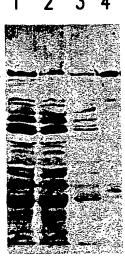
1: CELL-FREE EXTRACT

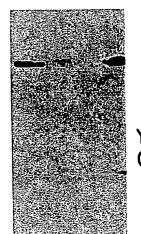
2: FLOW-THROUGH

3: WASH

4: ELUATE

(0.15M IMIDAZOLE)





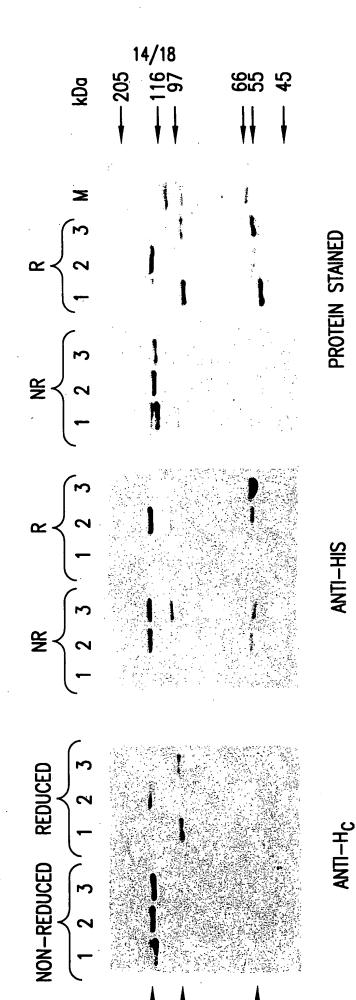
__ 150 kDa BoNT SC

YIELD: 0.2mg/L OF CULTURE

PROTEIN STAINED

WESTERN BLOTTED WITH ANTI-HIS IgG

FIG.12



WESTERN BLOTTING

